

### ABSTRACT

The present invention provides antimicrobial sulfonamide derivatives of lipopeptide antibiotics, pharmaceutical compositions of antimicrobial sulfonamide derivatives, methods for making antimicrobial sulfonamide derivatives, methods for inhibiting microbial growth  
5 with antimicrobial sulfonamide derivatives and methods for treating or preventing microbial infections in a subject with antimicrobial sulfonamide derivatives. Antimicrobial sulfonamide derivatives are generally an amino core antibiotic that has been further modified with a lipophilic sulfonyl group.